

17.  $1^3 + 2^3 + 3^3 + 4^3 + 5^3 + \dots + 101^3$ 

$$(1+6+1+5+6+1+6+1+0)$$

$$+6$$

$$(3x7)$$

$$1 \to 10 = 3$$

$$1 \to 20 = 3$$

$$21 \to 30 = 3$$

$$31 \to 40 = 3$$

$$41 \to 50 = 3$$

$$41 \to 50 = 3$$

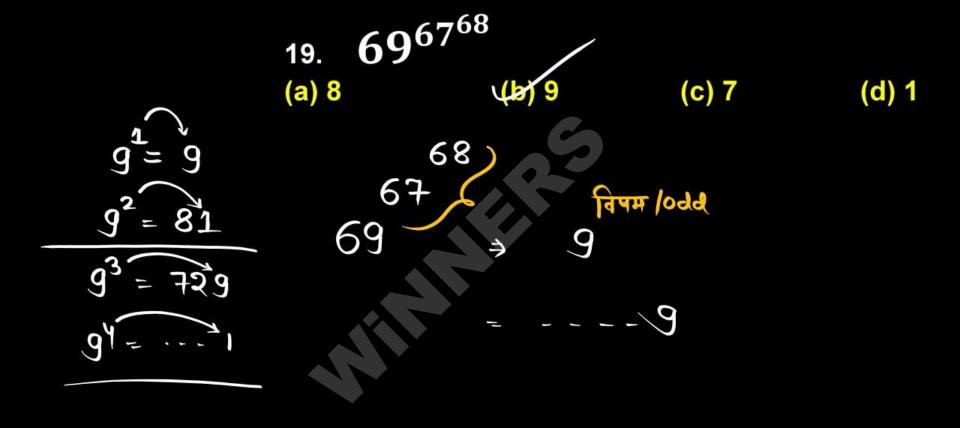
$$51 \to 60 = 3$$

$$51 \to 60 = 3$$
Maths by Aditya Patel Sir

(14+24+34+54+64+74+84+94+104)

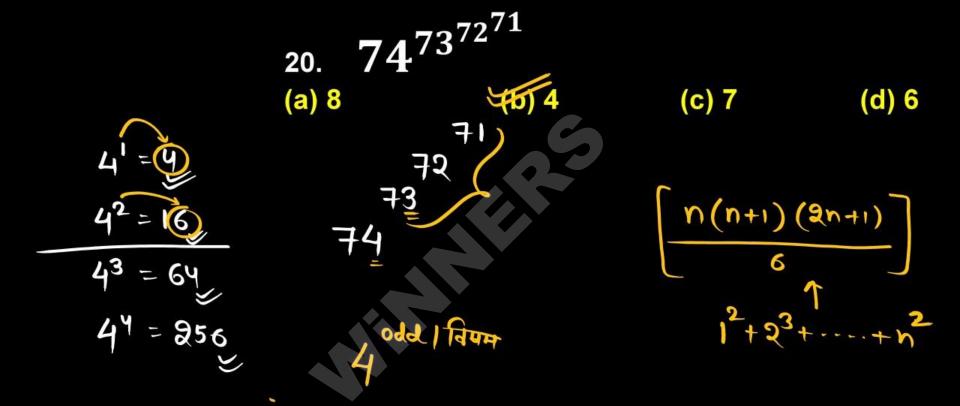
18.  $1^4 + 2^4 + 3^4 + 4^4 + 5^4 + \dots + 75^4$ 

7147747347474754





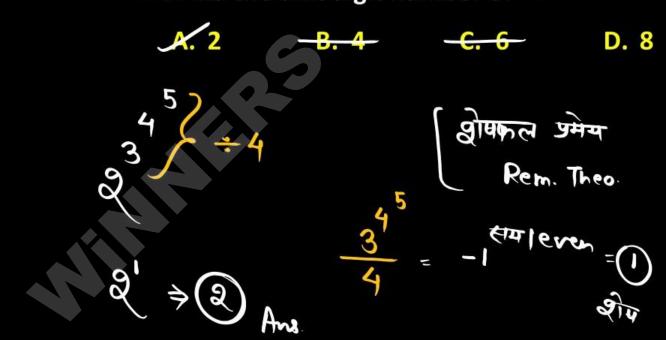
### **Maths by Aditya Patel Sir**





**Maths by Aditya Patel Sir** 

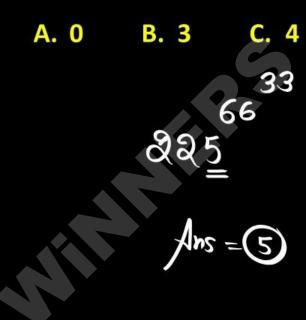
# 21. Find the unit digit number of $2^{3^{4^5}}$





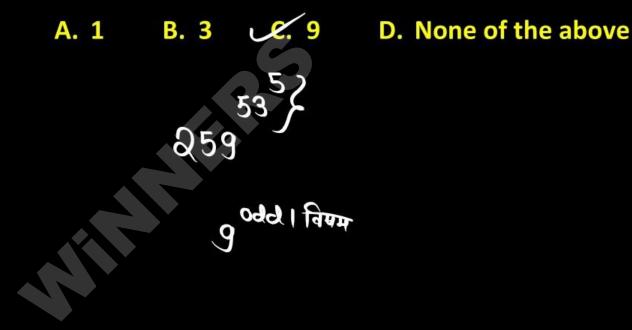
22. Find the last digit of  $225^{66^{33}}$ ?

D. None of the above



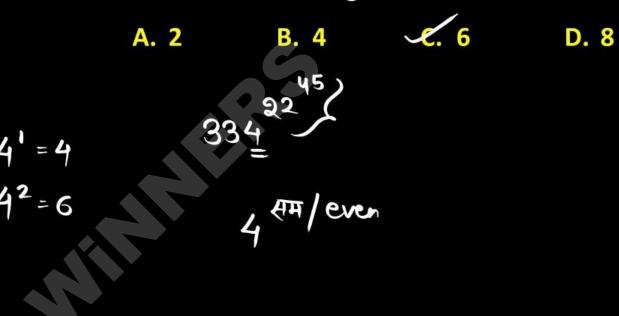


## 23. Find the last digit of $259^{53^5}$ ?



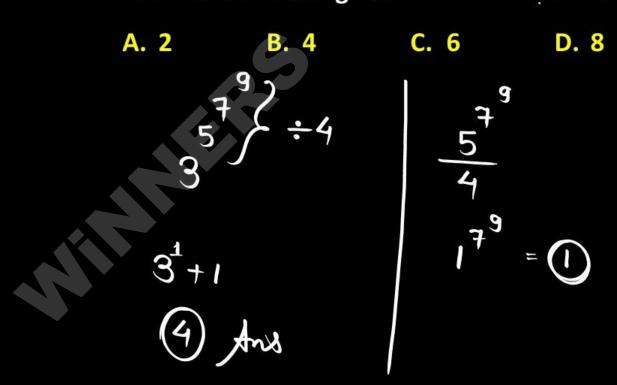






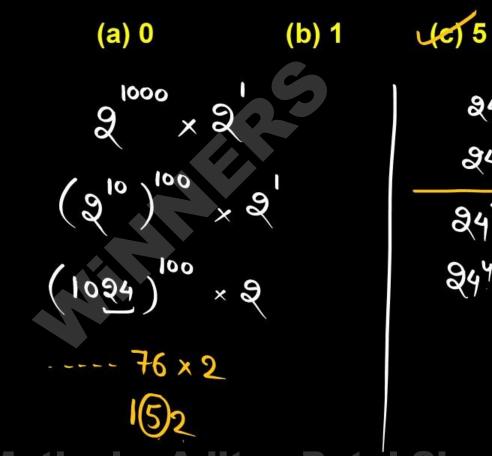


25. Find the last digit of 
$$3^{5^{7^9}} + 1 = ?$$





26. Find 10<sup>th</sup> Place / दहाई अंक -  $2^{1001}$ 





#### **Number of Zeros**

शुन्यो की सैरन्या

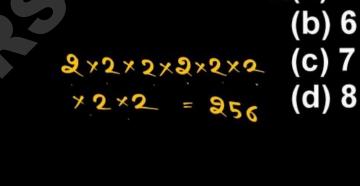
125 × 12  

$$5 \times 5 \times 5 \times 2 \times 2 \times 3$$
  
 $5 \times 5 \times 2 \times 2 \times 3$   
 $5 \times 5 \times 2 \times 2 \times 3$   
 $5 \times 5 \times 2 \times 2 \times 3$   
 $5 \times 6 \times 12 = 0$   
 $6 \times 6 \times 12 = 0$   
 $6 \times 6 \times 12 = 0$ 



1. शून्यों की संख्या ज्ञात कीजिए / Find number of Zeros in  $75 \times 256 \times 2250 \times 79 \times 88$ 

$$\begin{array}{c|c}
35 \times 3 & 25 \times 10 \\
\hline
5 \times 5 & 2 \\
\hline
5 \times 5 \times 9 \times 5 \times 2
\end{array}$$



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**Maths by Aditya Patel Sir** 



### ADITYA SIR



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